

07.3–130 Checking delivery capacity of fuel pump

Test values

Voltage at fuel pump min.	11.5 V
Delivery capacity min.	1 liter/30 seconds

Special tool

Clamp for fuel hose		000 589 40 37 00
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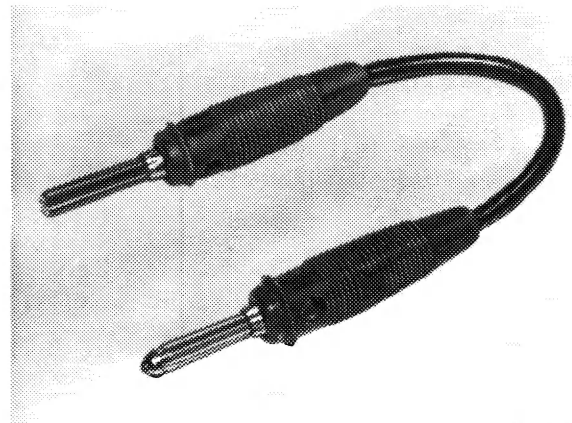
Conventional tools

Voltmeter, graduated measuring glass or measuring cup (at least 1 liter), stop watch

Self-made fuel hose

Fuel hose	500 mm long
Tube with sealing cone	
Coupling nut	M 14 x 1.5

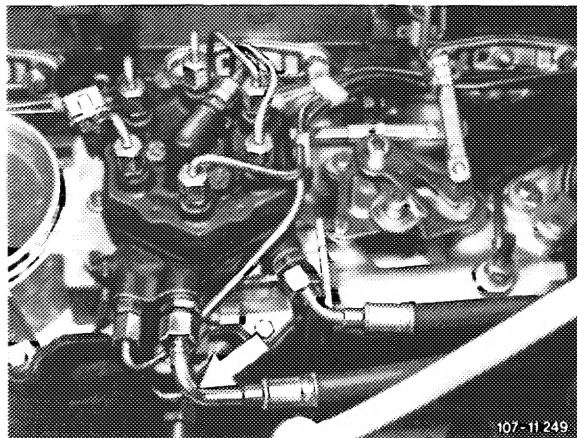
Contact bridge



107-19204

Checking

1 Check delivery capacity of fuel pump during fuel return flow. For this purpose, unscrew fuel return hose (arrow) on fuel distributor.

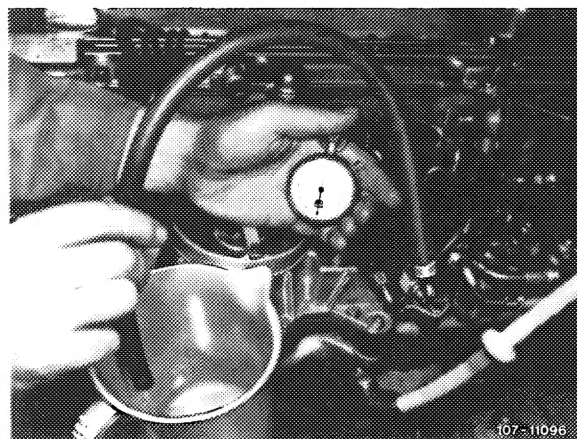


2 Screw self-made fuel hose to fuel distributor and hold into measuring glass or cup.

3 Check delivery:

Mixture control unit **with** safety switch

Switch-on ignition. Pull cable plug from safety switch in mixture control unit and put cable plug back again after 30 seconds.

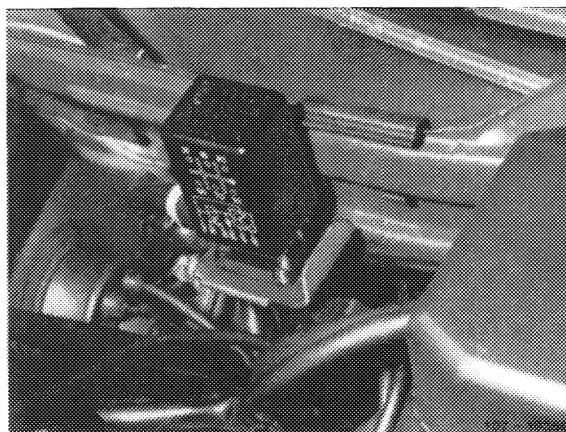


Mixture control unit **without** safety switch

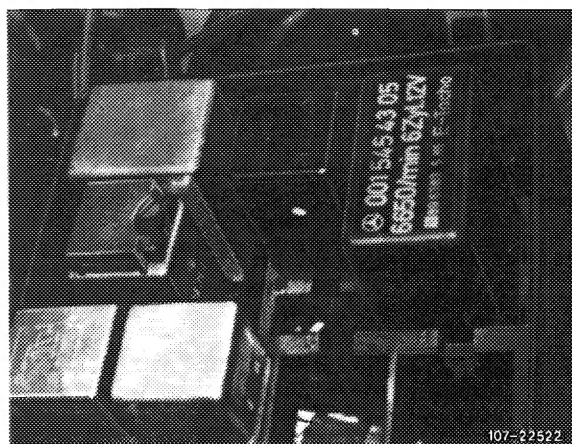
Pull off fuel pump relay and bridge the two bushings (wiring diagram 07.3-120). This will provide voltage for fuel pump.

Pull off contact bridge after 30 seconds.

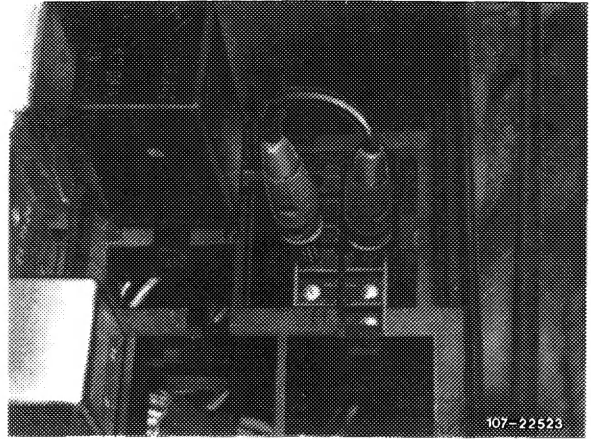
Prior to September 1981: Jacks 1 and 2.
Starting September 1981: Jacks 7 and 8.



Model 123



Model 126



4 If the delivery volume is less than 1 liter/30 seconds, check the following items:

- a) Check strainer in feed connection of fuel distributor for passage.
- b) Check voltage at fuel pump.
Nominal value = min. 11.5 Volts (with engine stopped).
- c) Check fuel lines for restrictions (squeezed lines).
- d) Pinch leak line between fuel reservoir and intake damper. Check delivery once again. If specified delivery volume is attained, replace fuel reservoir.
- e) Replace fuel filter.

5 If delivery volume is still too low, replace fuel pump.

6 Connect fuel return flow hose. Mount relay.